

Forensic Digital Watermarking With Variable Orientation and Protocols

Abstract of the Disclosure

The invention provides a method of forensic digital watermarking that randomly
5 selects an orientation and/or embedding protocol for a forensic digital watermark signal
to be embedded in the content signal. It then embeds the forensic digital watermark
signal at the selected orientation in the content signal. The embedding applies a different
orientation to the digital forensic watermark for each instance of embedding a forensic
watermark. This thwarts averaging and over-embedding attacks and enables generational
10 forensic tracking.